VideOh! DVD AVC-2200

User's Guide

adaptec®

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- Before contacting Technical Support, you need your unique 12-digit TSID number. The TSID number identifies your product and support status.
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AFFIX SERIAL NUMBER STICKER ON THE RETURN PORTION OF THE REGISTRATION CARD.
TSID: 100000000000
(1P) PRODUCT P/N: 1000000
(S) PRODUCT S/N: BB00000000000
THIS TSID NUMBER WILL BE REQUIRED WHEN CONTACTING TECHNICAL SUPPORT.
TSID: 100000000000
(1P) PRODUCT P/N: 1000000
(S) PRODUCT S/N: BB00000000000

Support Options

- Search the Adaptec Support Knowledgebase (ASK) at ask.adaptec.com for articles, troubleshooting tips, and frequently asked questions for your product.
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Milpitas, California 95035.

Regulatory Compliance Statements

Federal Communications Commission Radio Frequency Interference Statement

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. However, if this equipment does cause interference to radio or television equipment reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.
- Use a shielded and properly grounded I/O cable and power cable to ensure compliance of this unit to the specified limits of the rules.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

Adaptec, Inc. AVC-2200

Tested to Comply
With FCC Standards

FOR HOME OR OFFICE USE

European Union Compliance Statement

This Information Technology Equipment has been tested and found to comply with EMC Directive 89/336/EEC, as amended by 92/31/EEC and 93/68/EEC, in accordance with:

- EN55022 (1998) Emissions
- EN55024 (1998) Immunity:
  - EN61000-4-2 (1998) Electrostatic discharge: ±4 kV contact, ±8 kV air
  - EN61000-4-3 (1998) Radiated immunity
  - EN61000-4-4 (1995) Electrical fast transients/burst: ±1 kV AC, ±0.5 kV I/O
  - EN61000-4-5 (1995) Surges ±1 kV differential mode, ±2 kV common mode
  - EN61000-4-6 (1996) Conducted immunity: 3 V
  - EN61000-4-11 (1994) Supply dips and variation: 30% and 100%

In addition, all equipment requiring U.L. listing has been found to comply with EMC Directive 73/23/EEC as amended by 93/68/EEC in accordance with EN60950 with amendments A1, A2, A3, A4, A11.

Australian/New Zealand Compliance Statement

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to the Australian/New Zealand standard AS/NZS 3548 set out by the Spectrum Management Agency.

Canadian Compliance Statement

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Japanese Compliance (Voluntary Control Council Initiative)

This equipment complies to class B Information Technology equipment based on VCCI (Voluntary Control Council for Interface). This equipment is designed for home use but it may causes radio frequency interference problem if used too near to a television or radio. Please handle it correctly per this documentation.

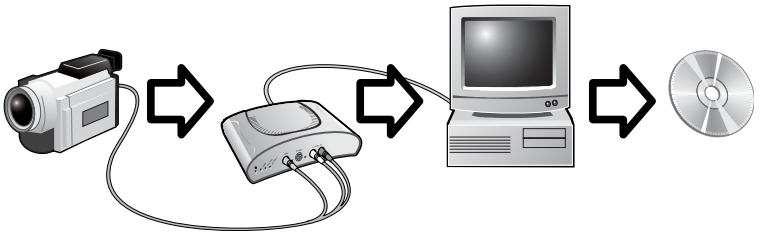
In this Guide

Introduction	2
What's in the Package	3
System Requirements	3
This is Your AVC-2200	4
Plugging In Your AVC-2200	5
Installing the Drivers	6
Installing MyDVD	23
Using MyDVD	23
Registering Your AVC-2200	25
Troubleshooting Your AVC-2200	25
Technical Specifications	26

Introduction

Congratulations on the purchase of your Adaptec VideOh! DVD AVC-2200. With your VideOh! DVD kit, you can convert your analog videos into digital format and create your own Video CDs (VCDs) and DVDs.

- Capture your favorite video footage with your AVC-2200 and the Sonic® MyDVD® software.



- Organize and burn VCDs and DVDs with MyDVD. Add backgrounds to your videos, and menus for easy navigation.
- Edit your videos with the digital video editing tool integrated with MyDVD, if you want to add music, transitions, and titles to your movies.

This *User's Guide* tells you how to set up your VideOh! DVD hardware, and provides detailed instructions for installing and using the VideOh! DVD software.

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What's in the Package

Your Adaptec VideOh! DVD package includes:

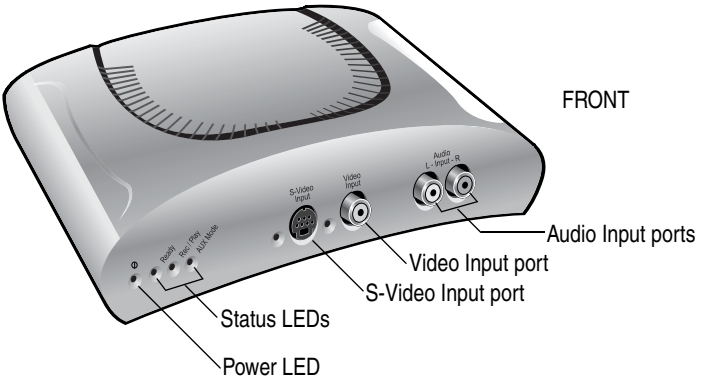
- Adaptec AVC-2200 USB 2.0 MPEG-2 capture device
- 6-foot USB cable
- 6-foot RCA to RCA Audio/Video (A/V) cable
- External power adapter
- VideOh! CD, including drivers and Sonic MyDVD software
- *VideOh! DVD AVC-2200 Installation Guide*

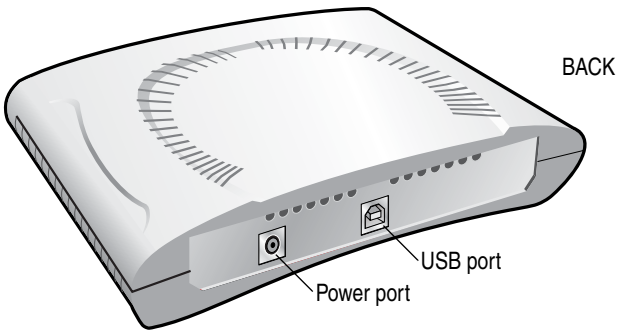
System Requirements

To use your VideOh! DVD kit, you need a PC-compatible computer with:

- Intel Pentium III 600 MHz (or faster) processor (800 MHz recommended)
- Windows® 98SE, Windows Me®, Windows 2000®, or Windows XP®
- Available USB port
- 128 MB RAM
- 250 MB free disk space for applications
- 450 MB free disk space per 10 minutes of captured video
- Sound card
- CD-ROM drive
- CD-Recorder or DVD-Recorder for output
- Video card and monitor that support 16-bit color at 1024 x 768 resolution (24/32-bit color and higher recommended)

This is Your AVC-2200





Plugging In Your AVC-2200

To set up your AVC-2200:

1 Connect the power adapter to a power source and to the Power port on the back of the AVC-2200. The Power LED on the front of the unit lights up when the power is on.

(See the figures on page 4 if you need help locating the ports on your AVC-2200.)

2 Connect the A/V cable to your AVC-2200 and your analog video device. (S-Video users, see below.)

Ensure that you connect the yellow video plug to the Video Input port, and that you correctly connect the white and red audio plugs to the Audio-L and Audio-R ports.

S-Video users only—Connect your S-Video cable (not included) to your analog video device using the S-Video port on your AVC-2200. You can use the audio plugs of the A/V cable included in your VideOh! DVD kit to connect to the Audio-L and Audio-R ports.

Caution: *Do not* use both the S-Video and the Video ports simultaneously.

Installing the Drivers

Before you can begin capturing video, you must install the VideOh! DVD device drivers.

Follow the complete set of installation instructions provided for your operating system to ensure that the driver is properly installed:

- For Windows XP, see page 7.
- For Windows 2000, see page 11.
- For Windows Me, see page 16.
- For Windows 98SE, see page 19.

Windows XP

When you plug in your AVC-2200, Windows XP automatically detects it and opens the Found New Hardware Wizard. To perform the installation, follow the instructions provided in this section.

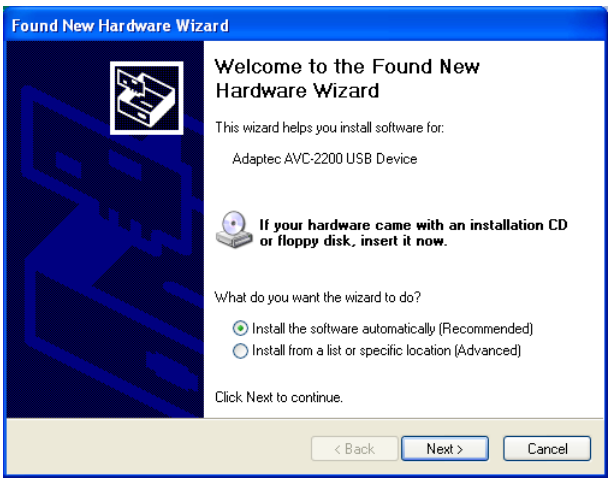
When the installation is complete, ensure that the driver is installed properly by following the instructions provided in *Double-Checking Driver Installation* on page 10.

To install the driver:

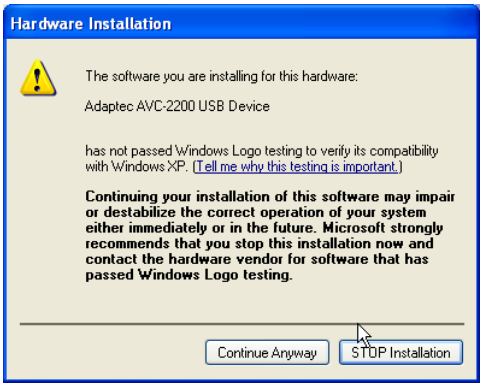
1 Insert the VideOh! CD into your CD-ROM drive.

> **Note:** If the VideOh! DVD software installation screen appears, exit this screen until driver installation is complete.

2 In the Found New Hardware Wizard, select **Install the software automatically...**, then click **Next**.

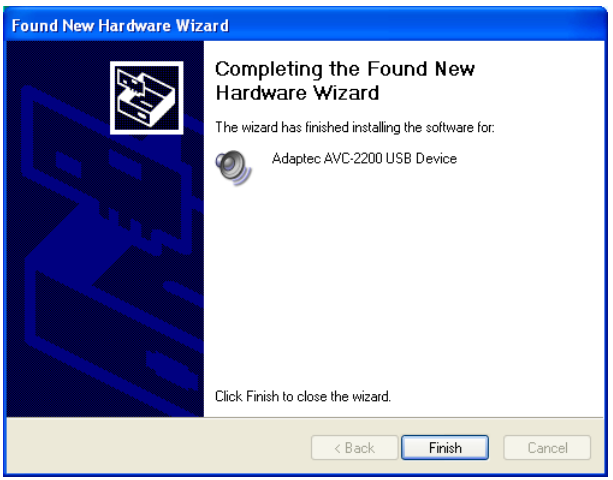

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install software for:
Adaptec AVC-2200 USB Device
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

3 Click **Continue Anyway**.

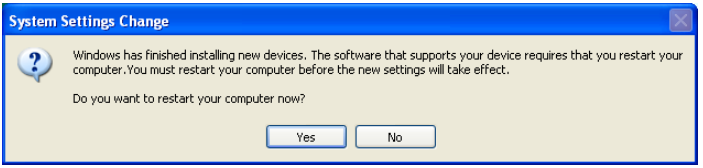

Hardware Installation
The software you are installing for this hardware:
Adaptec AVC-2200 USB Device
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

Windows installs the driver.

4 Click **Finish** to complete the installation.


Found New Hardware Wizard
Completing the Found New Hardware Wizard
The wizard has finished installing the software for:
Adaptec AVC-2200 USB Device
Click Finish to close the wizard.
< Back
Finish
Cancel

5 Click **Yes** to restart your computer.

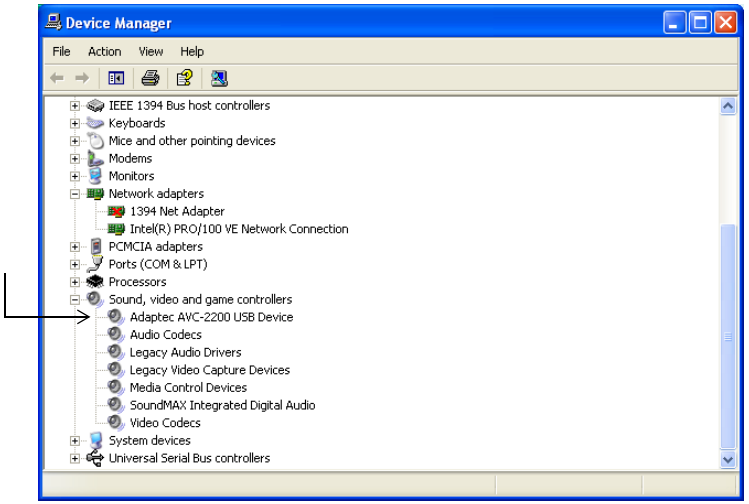

System Settings Change
Windows has finished installing new devices. The software that supports your device requires that you restart your computer. You must restart your computer before the new settings will take effect.
Do you want to restart your computer now?
Yes
No

Note: If you plug your AVC-2200 into a USB 1.1 port, this message appears during driver installation:
A hi-speed USB device is plugged into a non-hi-speed USB hub.
This message indicates that your AVC-2200 will run at a reduced (USB 1.1) speed. To ensure maximum performance, plug your AVC-2200 into a USB 2.0 port. (For information on USB 2.0 adapters and hubs, go to the Adaptec website at www.adaptec.com.)

Double-Checking Driver Installation

To verify that the driver is installed, right-click the **My Computer** desktop icon, select **Properties**, click the **Hardware** tab, then click the **Device Manager** button.

Check that Adaptec AVC-2200 USB Device appears, as shown in the figure below.



If the AVC-2200 doesn't appear, refer to *Troubleshooting Your AVC-2200* on page 25.

Windows 2000

When you plug in your AVC-2200, Windows 2000 automatically detects it and opens the Found New Hardware Wizard. To perform the installation, follow the instructions provided in this section.

When the installation is complete, ensure that the driver is installed properly by following the instructions provided in *Double-Checking Driver Installation* on page 15.

To install the driver:

1 Insert the VideOh! CD into your CD-ROM drive.

Note: If the VideOh! DVD software installation screen appears, exit this screen until driver installation is complete.

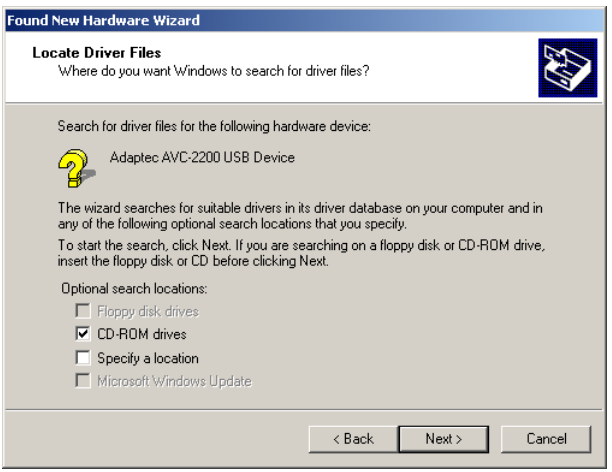
2 In the Found New Hardware Wizard, click **Next**.

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install a device driver for a hardware device.
To continue, click Next.
< Back
Next >
Cancel

3 Select **Search for a suitable driver...**, then click **Next**.

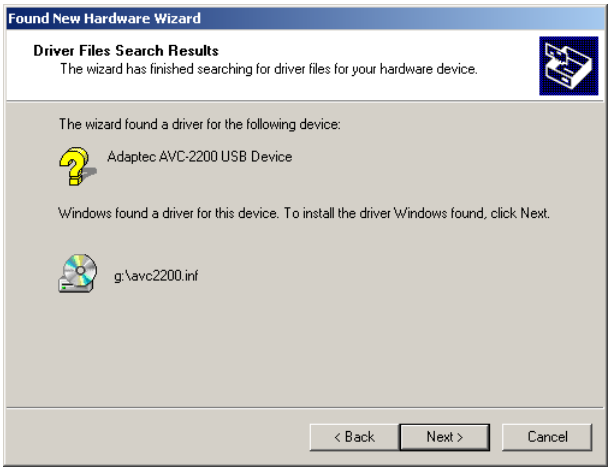
Found New Hardware Wizard
Install Hardware Device Drivers
A device driver is a software program that enables a hardware device to work with an operating system.
This wizard will complete the installation for this device:
Adaptec AVC-2200 USB Device
A device driver is a software program that makes a hardware device work. Windows needs driver files for your new device. To locate driver files and complete the installation click Next.
What do you want the wizard to do?
Search for a suitable driver for my device (recommended)
Display a list of the known drivers for this device so that I can choose a specific driver
< Back
Next >
Cancel

4 Select *only* **CD-ROM drives**, then click **Next**.


Found New Hardware Wizard
Locate Driver Files
Where do you want Windows to search for driver files?
Search for driver files for the following hardware device:
Adaptec AVC-2200 USB Device
The wizard searches for suitable drivers in its driver database on your computer and in any of the following optional search locations that you specify.
To start the search, click Next. If you are searching on a floppy disk or CD-ROM drive, insert the floppy disk or CD before clicking Next.
Optional search locations:
Floppy disk drives
CD-ROM drives
Specify a location
Microsoft Windows Update
< Back
Next >
Cancel

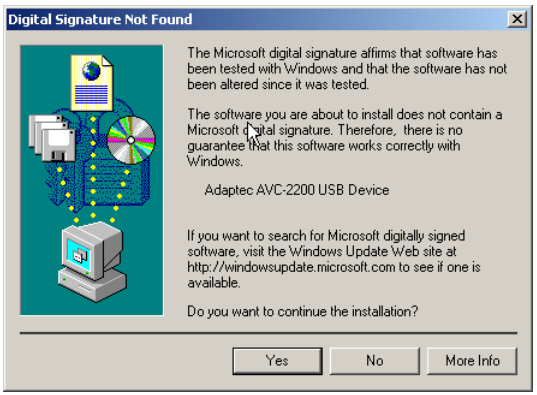
Windows locates a driver file.

5 Click **Next**.


Found New Hardware Wizard
Driver Files Search Results
The wizard has finished searching for driver files for your hardware device.
The wizard found a driver for the following device:
Adaptec AVC-2200 USB Device
Windows found a driver for this device. To install the driver Windows found, click Next.
g:\avc2200.inf
< Back
Next >
Cancel

Note: The drive letter for your CD-ROM may be different than the one shown in the example above.

6 Click **Yes**.


Digital Signature Not Found
The Microsoft digital signature affirms that software has been tested with Windows and that the software has not been altered since it was tested.
The software you are about to install does not contain a Microsoft digital signature. Therefore, there is no guarantee that this software works correctly with Windows.
Adaptec AVC-2200 USB Device
If you want to search for Microsoft digitally signed software, visit the Windows Update Web site at http://windowsupdate.microsoft.com to see if one is available.
Do you want to continue the installation?
Yes
No
More Info

7 Click **Finish** to complete the installation.

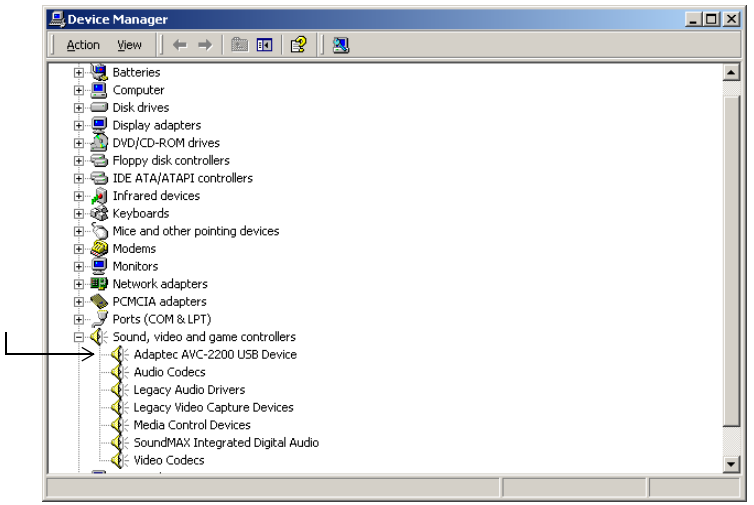
Found New Hardware Wizard
Completing the Found New Hardware Wizard
Adaptec AVC-2200 USB Device
Windows has finished installing the software for this device.
To close this wizard, click Finish.
< Back
Finish
Cancel

8 When the installation is complete, restart your computer.

Double-Checking Driver Installation

To ensure that the driver has installed properly for your Windows 2000 system:

1. On your desktop, double-click **My Computer**, double-click **Control Panel**, then double-click **System**. The System Properties window opens.
2. Open **Device Manager**.
3. Click **Sound, video and game controllers**, and check that Adaptec AVC-2200 USB Device appears, as shown in the figure below.



If the AVC-2200 doesn't appear, refer to *Troubleshooting Your AVC-2200* on page 25.

Windows Me

When you plug in your AVC-2200, Windows Me automatically detects it and opens the Found New Hardware Wizard. To perform the installation, follow the instructions provided in this section.

When the installation is complete, ensure that the driver is installed properly by following the instructions provided in *Double-Checking Driver Installation* on page 18.

To install the driver:

1 Insert the VideOh! CD into your CD-ROM drive.

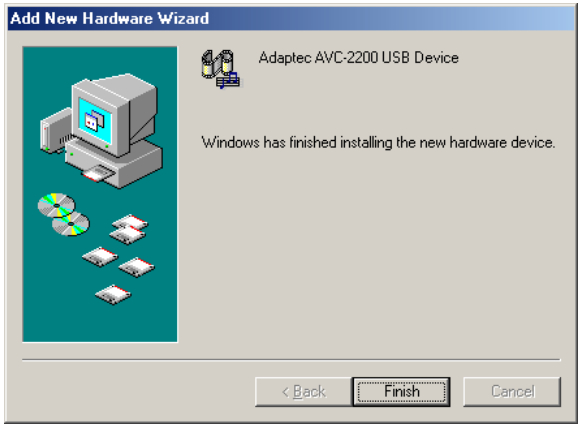
Note: If the VideOh! DVD software installation screen appears, exit this screen until driver installation is complete.

2 In the Found New Hardware Wizard, click **Next**.

3 Select **Automatic search...**, then click **Next.**

Add New Hardware Wizard
Windows has found the following new hardware:
Adaptec AVC-2200 USB Device
Windows can automatically search for and install software that supports your hardware. If your hardware came with installation media, insert it now and click Next.
What would you like to do?
Automatic search for a better driver (Recommended)
Specify the location of the driver (Advanced)
< Back
Next >
Cancel

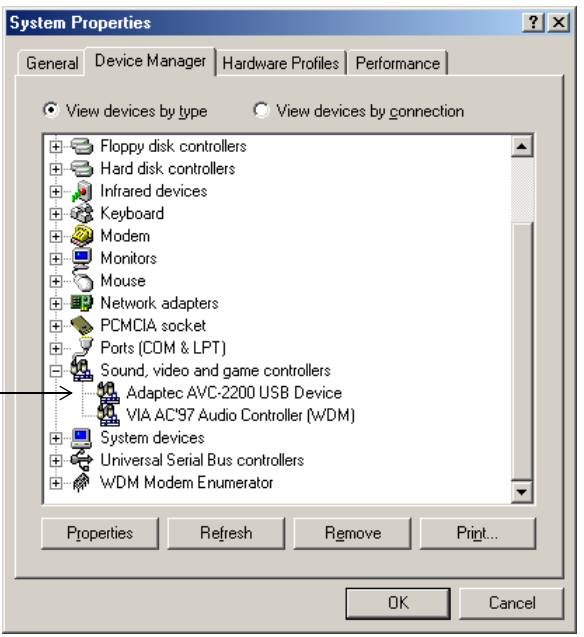
4 Click **Finish** to complete the installation.



Double-Checking Driver Installation

To ensure that the driver has installed properly for your Windows Me system:

1. On your desktop, double-click **My Computer**, double-click **Control Panel**, then double-click **System**. The System Properties window opens.
2. Open **Device Manager**, and select **View devices by type**.
3. Click **Sound, video and game controllers**, and check that Adaptec AVC-2200 USB Device appears, as shown in the figure below.



If the AVC-2200 doesn't appear, refer to *Troubleshooting Your AVC-2200* on page 25.

Windows 98SE

When you plug in your AVC-2200, Windows 98SE automatically detects it and opens the Found New Hardware Wizard. To perform the installation, follow the instructions provided in this section.

When the installation is complete, ensure that the driver is installed properly by following the instructions provided in *Double-Checking Driver Installation* on page 22.

Note: You may need your Windows 98SE CD to complete this installation procedure.

To install the drivers:

1 Insert the VideOh! CD into your CD-ROM drive.

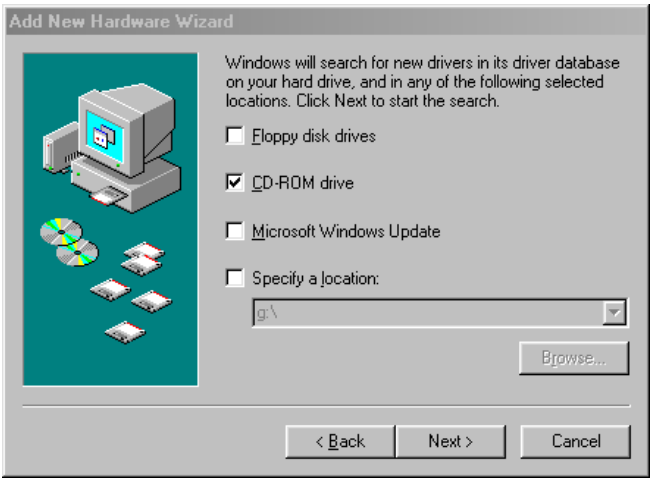
Note: If the VideOh! DVD software installation screen appears, exit this screen until driver installation is complete.

2 In the Found New Hardware Wizard, click **Next**.

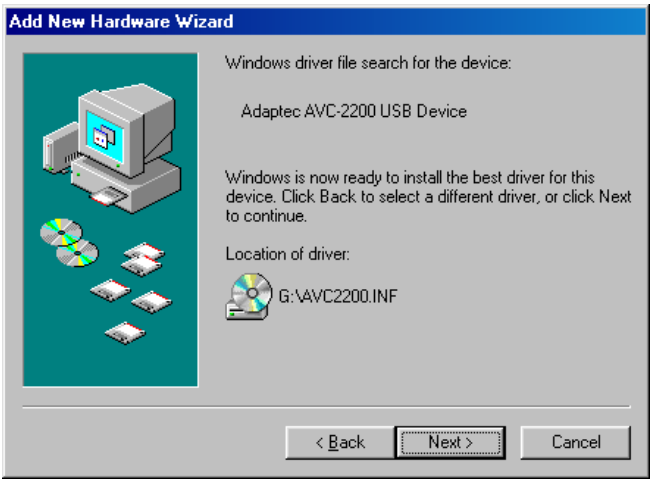
3 Select **Search for best driver...**, then click **Next**.

Add New Hardware Wizard
What do you want Windows to do?
Search for the best driver for your device. (Recommended).
Display a list of all the drivers in a specific location, so you can select the driver you want.
< Back
Next >
Cancel

4 Select *only* **CD-ROM drive**, then click **Next**.

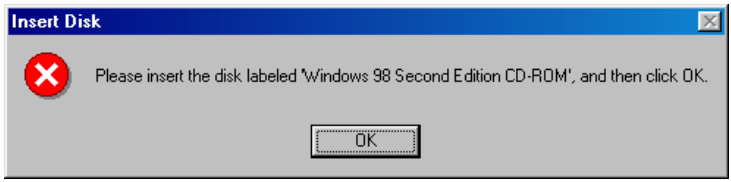

Add New Hardware Wizard
Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.
Floppy disk drives
CD-ROM drive
Microsoft Windows Update
Specify a location:
g:\
Browse...
< Back
Next >
Cancel

5 Click **Next**.

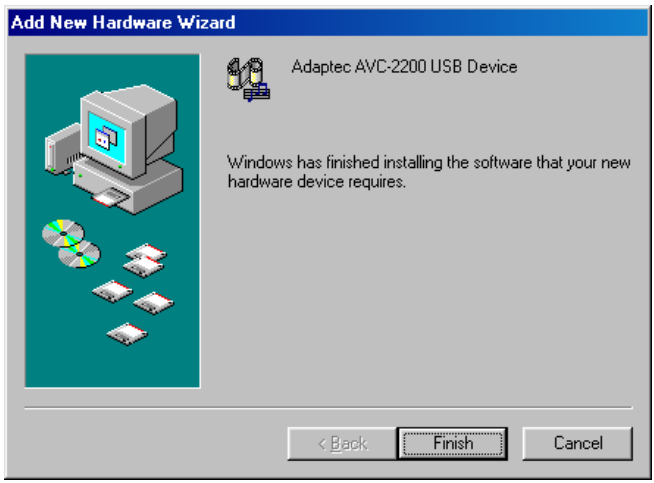

Add New Hardware Wizard
Windows driver file search for the device:
Adaptec AVC-2200 USB Device
Windows is now ready to install the best driver for this device. Click Back to select a different driver, or click Next to continue.
Location of driver:
G:\AVC2200.INF
< Back
Next >
Cancel

Note: The drive letter for your CD-ROM may be different than the one shown in the example above.

6 Insert your Windows 98SE CD, then click **OK**.



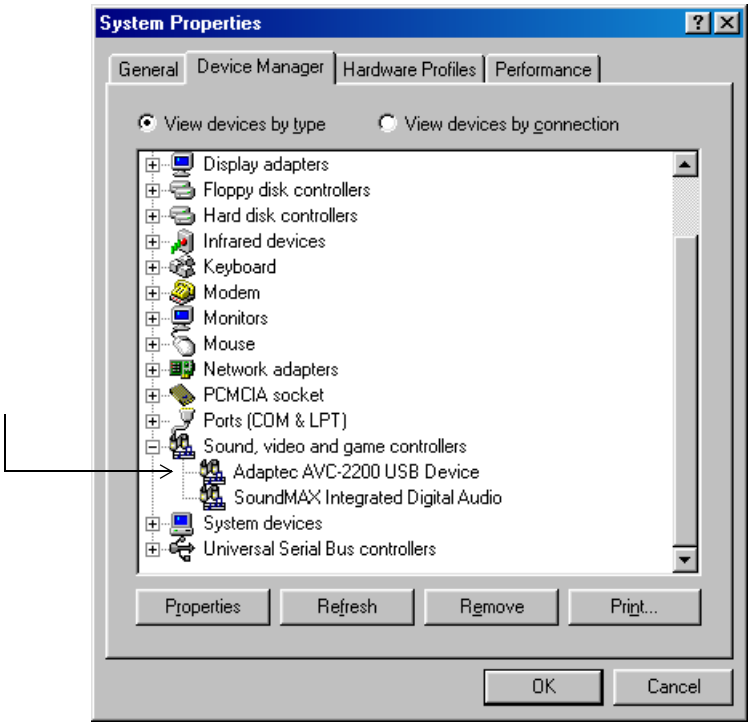
7 Click **Finish** to complete the installation.


Add New Hardware Wizard
Adaptec AVC-2200 USB Device
Windows has finished installing the software that your new hardware device requires.
< Back
Finish
Cancel

Double-Checking Driver Installation

To ensure that the driver has installed properly:

1. On your desktop, double-click **My Computer**, double-click **Control Panel**, then double-click **System**. The System Properties window opens.
2. Open **Device Manager**, and select **View devices by type**.
3. Click **Sound, video and game controllers**, and check that Adaptec AVC-2200 USB Device appears, as shown in the figure below.



If the AVC-2200 doesn't appear, refer to *Troubleshooting Your AVC-2200* on page 25.

Installing MyDVD

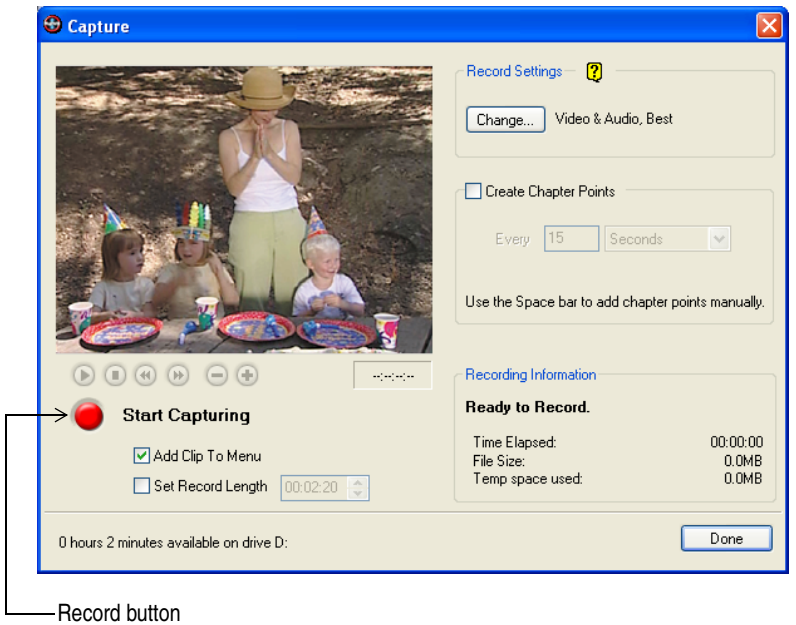
To install MyDVD:

Insert the VideOh! CD into your CD-ROM drive and follow the on-screen instructions.

If the VideOh! CD is already in your CD-ROM drive, reinsert it to activate the software installation screen.

Using MyDVD

Use Sonic MyDVD (shown in the example below) to transfer your videos onto your computer in digital format and create VCDs or DVDs. MyDVD helps you organize your digital videos, and add backgrounds and a menu navigation system.



Note: Except for the Record button, the control buttons on the Sonic screen will not work with your analog video device. Control your device with its onboard control buttons.

When you install MyDVD, a video editing application is also installed. Use this tool to edit your digital videos and add music, transitions, and titles.

Refer to the online documentation included with MyDVD and the video editing tool for help using these software applications.

Registering Your AVC-2200

To ensure your eligibility for support and upgrades, and to qualify for future promotions, please register your AVC-2200 on the Adaptec website at register.adaptec.com.

Troubleshooting Your AVC-2200

If you encounter difficulties installing or using your AVC-2200, follow these suggestions:

- Ensure that your analog video device is connected, powered on, and set up to provide a video signal to the AVC-2200.
- Double-check all cable connections.
- Try connecting to a different USB port on your system.
- If your AVC-2200 is connected to a USB hub, try connecting it directly to a system USB port.
- Ensure that the AVC-2200 is properly connected and that the drivers have installed correctly. (See *Installing the Drivers* on page 6 to find detailed instructions.)

Technical Specifications

Technology	USB 2.0
Video Input	Composite (RCA) S-Video (7-pin DIN)
Video Capture Format	MPEG-1 and MPEG-2
Bit Rate	Variable within DVD specification
Video Standards	NTSC (720 x 480, 480 x 480, 352 x 480, 352 x 240) PAL (704 x 576, 480 x 576, 352 x 576, 352 x 288)
Audio Input	Stereo Audio (Left/Right RCA)
PC Interface	USB 2.0 Connector
Form Factor	7.0" (L) x 5.0" (W) x 1.4" (H)
Power	5 V Power Input (Power Jack) External Power Supply
Regulatory Certifications	FCC Class B, CE Class B (See page vii for more information.)

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